## Peptides Sequences, Human, Mouse and Rat

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 IPSPSVEEPHKHRPTTLRLTTLGAQDS	PGTGCGDTYRPKRPTTLNLFPQVPRSQDT	GAYGYSNPKILKQSMTLNLADPVGNLKPH	TNEDHLAVHKHKHEMTLKFGPARNDSVIV
••	••	••	••
IB2	IB1	a-Jun	ATF2

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 EEPHKHRPTTLRLTTLGAQDS	DTYRPKRPTTLNLFPQVPRSQDT	0 00
••	••	
L-IB2	L-IB1	

•

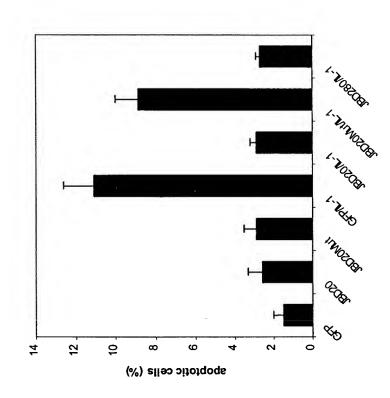
: NH <sub>2</sub> - GRKKRRQRRR -COOH	: NH2- GRKKRRQRRRPPDTYRPKRPTTLNLFPQVPRSQDT -COOH	: NH2- GRKKRRQRRRPPEEPHKHRPTTLRLTTLGAQDS -COOH	: NH <sub>2</sub> - RRRQRRKKRG -COOH	: NH2- IDQSRPVQPFLNLTTPRKPRYTDPPRRRQRRKKRG -COOH
L-TAT	L-TAT-IB1	L-TAT-IB2	D-TAT	D-TAT-IB1

## Generic Sequences, Human, Mouse and Rat

L-TAT-IB D-TAT-IB D-TAT

D9970515 100101

Effects of GFP-JBD<sub>23</sub> Construct on Pancreatic β-Cell Apoptosis



Effects of TAT-IB Peptides on JNK Mediated Phosphorylation

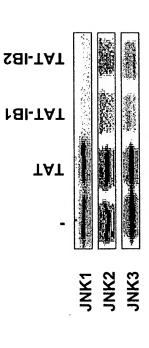


Fig. 4a

Effects of TAT-IB Peptides on JNK Mediated Phosphorylation

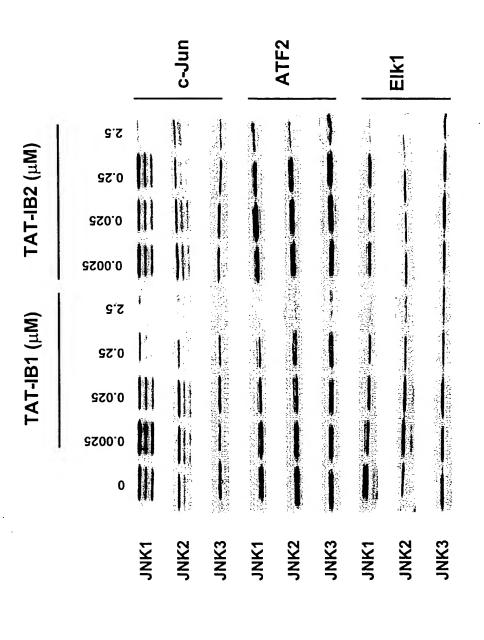
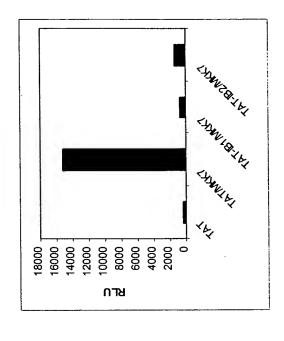


Fig. 4b

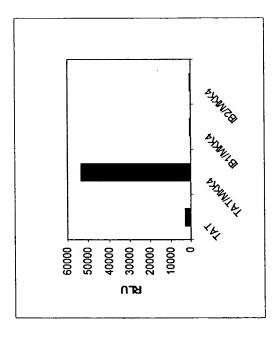
L-TAT-IB Inhibition of Phosphorylation By



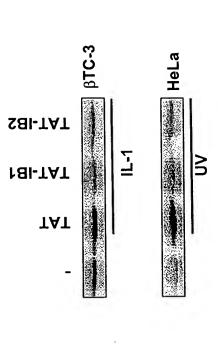


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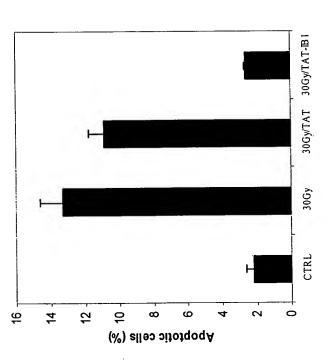
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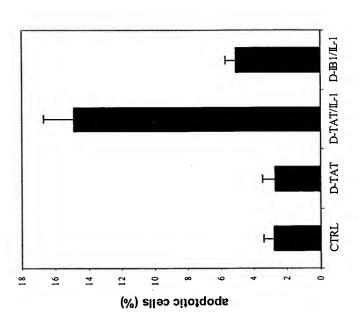
In Vivo Inhibition of c-Jun Phosphorylation by TAT-IB Peptides



Inhibition of IL-1 $\beta$  Induced Pancreatic  $\beta$ -Cell Death by TAT-IB Peptides



The D-TAT-IB1 peptide decreases IL-1-induced apoptosis in BTC-3 cells



The D-TAT-IB1 peptide confers long-term protection (15 days) against IL-1-induced apoptosis in  $\beta$ TC-3 cells

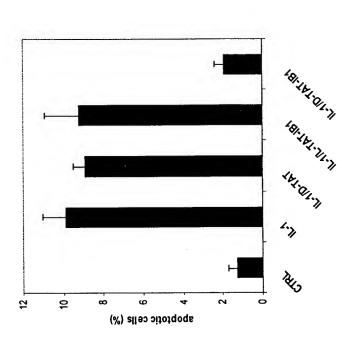


Fig.9

L-TAT-IB1 and D-TAT-IB1 peptides prevent IR-induced apoptosis in a human colon cancer cell line

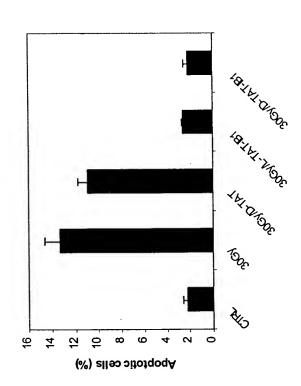


Fig. 10

## Suppression of JNK Transcription Factor Phosphorylation by L-TAT-IB1 Peptides

r-JI-\r8I-TAT r-JI\TAT TAT



TOEDOK EKEDY

Radioprotection to lonizing Radiation by TAT-IB1 Peptides

